NAME OF THE WORK: ADDITIONAL DEVELOPMENTAL WORKS TO VIDYARANYAPURA INDOOR STADIUM NEW WARD NO.14

MODIFIED ESTIMATE

BOOK NO – 01

BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF THE PROJECT: ADDITIONAL DEVELOPMENTAL WORKS TO VIDYARANYAPURA INDOOR ADIUM NEW WARD NO-14

Modified Estimate

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge. complete with all lead and lift as per the direction of Engineer-In-Charge (PWD SR 2021-22 Vol -2 Pg 163 Item no 19.3)								
Vidyaranyapura Indoor Stadium								
Roof						16.04		
In front of Toilets	Sqm	1	8.91	1.80		9.69		
	Sqm	1	9.89	0.98		10.29		
Near Staircase	Sqm	1	6.86	1.50		36.52		
	Sqm	1	21.11	1.73		**72.54**	**3000.00**	**217624.00**
Total Executed Quantity						**72.54**		
Tender Quantity								
Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge. In cement mortar complete with all lead and lift as per the direction of Engineer-In-Charge (PWD SR 2021-22 Vol -2 Pg 163 Item no 19.7.3)								
Vidyaranyapura Indoor Stadium								
TT Room Wall								
	Cum	1	7.80	0.30	3.10	7.25		
Boxing Room Long wall	Cum	1	9.82	0.30	1.00	2.95		
"Short wall	Cum	1	12.85	0.30	1.00	3.86		
Badminton Court								
	Cum	1	6.05	0.30	3.65	6.62		
	Cum	1	6.45	0.30	3.65	7.06		
	Cum	1	8.10	0.30	3.65	8.87		
Open Terrace Area								
	Cum	1	26.00	0.30	1.00	7.80		
	Cum	1	6.15	0.30	1.00	1.85		
Total Executed Quantity						**46.26**		
Tender Quantity						**24.03**		
Quantity Upto 125%						**30.04**	**500.00**	**15018.00**
Quantity Above 125%						**16.22**	**426.15**	**6913.00**
Removing and refixing of footpath slab (Data Rate)								
Vidyaranyapura								
Basketball Court	Sqm	1	15.00	0.75		11.25		
	Sqm	1	15.00	0.75		11.25		
	Sqm	1	15.00	0.75		11.25		
	Sqm	1	5.00	0.75		3.75		
Footbal Ground								
	Sqm	1	15.00	0.75		11.25		
	Sqm	1	15.00	0.75		11.25		
	Sqm	1	15.00	0.75		11.25		
	Sqm	1	15.00	0.75		11.25		
	Sqm	1	13.00	0.75		9.75		
Total Executed Quantity						**92.25**		
Tender Quantity						**85.28**		
Quantity Upto 125%						**92.25**	**500.00**	**46125.00**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.1)								
Vidyaranyapura Indoor Stadium								
Ew for Flag Foundation	Cum	1	1.50	1.50	1.20	2.70		
Bike Parking Area	Cum	1	15	1.5	0.45	10.13		
Bike Parking Area	Cum	1	15	1.4	0.45	9.45		
Bike Parking Area	Cum	1	15	1.5	0.45	10.13		
Bike Parking Area	Cum	1	15	1.6	0.45	10.80		
Bike Parking Area	Cum	1	5	1.8	0.45	4.05		
Ew For Ms Steps Pillers	Cum	10	0.18	0.18	0.45	0.15		
Skating Ground 9mtr pole	Cum	4	1.2	1.2	2.40	13.82		
Basket ball Ground 9mtr pole	Cum	3	1.2	1.2	2.40	10.37		
Tennis Ground 9mtr pole	Cum	3	1.2	1.2	2.40	10.37		
Foot ball Ground 12m pole	Cum	1	1.8	1.8	2.55	8.26		
Foot ball Ground 16mtr pole	Cum	4	1.8	1.8	2.55	33.05		
For Desilt								
Vidyaranyapura								
Basketball Court	Cum	1	15	0.45	0.45	3.04		
	Cum	1	15	0.45	0.45	3.04		
	Cum	1	15	0.45	0.45	3.04		
	Cum	1	5	0.45	0.45	1.01		
Footbal Ground	Cum	1	15	0.45	0.45	3.04		
	Cum	1	15	0.45	0.45	3.04		
	Cum	1	15	0.45	0.45	3.04		
	Cum	1	15	0.45	0.45	3.04		
	Cum	1	13	0.45	0.45	2.63		
Next To Raghavendra Mata								
South side	Cum	1	42.65	0.90	1.00	38.39		
West side	Cum	1	40.75	0.90	1.00	36.68		
North side	Cum	1	45.50	0.90	2.00	81.90		
East side	Cum	1	28.50	0.90	1.00	25.65		
Total Executed Quantity						**330.78**		
Tender Quantity						**122.11**		
Quantity Upto 125%						**152.64**	**300.00**	**45791.00**
Quantity Above 125%						**178.15**	**214.81**	**38268.00**
Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4)								
Item is Not Operated								

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
Vidyaranyapura Indoor Stadium								
Ew for Flag Foundation	Cum	1	1.50	1.50	0.15	0.34		
Bike Parking Area	Cum	1	15	1.5	0.15	3.38		
Bike Parking Area	Cum	1	15	1.4	0.15	3.15		
Bike Parking Area	Cum	1	15	1.5	0.15	3.38		
Bike Parking Area	Cum	1	15	1.6	0.15	3.60		
Bike Parking Area	Cum	1	5	1.8	0.15	1.35		
Ew For Ms Steps Pillers	Cum	10	0.18	0.18	0.15	0.05		
Skating Ground 9mtr pole	Cum	4	1.2	1.2	0.15	0.86		
Basket ball Ground 9mtr pole	Cum	3	1.2	1.2	0.15	0.65		
Tennis Ground 9mtr pole	Cum	3	1.2	1.2	0.15	0.65		
Foot ball Ground 12m pole	Cum	1	1.8	1.8	0.15	0.49		
Foot ball Ground 16mtr pole	Cum	4	1.8	1.8	0.15	1.94		
Next To Raghavendra Mata								
South side	Cum	1	42.65	0.90	0.15	5.76		
West side	Cum	1	40.75	0.90	0.15	5.50		
North side	Cum	1	45.50	0.90	0.15	6.14		
East side	Cum	1	28.50	0.90	0.15	3.85		
For cobble stone								
Entry For Ground	Cum	1	31.6	5.7	0.1	18.01		
Deduction								
Chamber	Cum	-6	0.90	0.90	0.15	-0.73		
Total Executed Quantity						**58.36**		
Tender Quantity						**20.21**		
Quantity Upto 125%						**25.27**	**6500.00**	**164243.00**
Quantity Above 125%						**33.09**	**6414.26**	**212247.00**
Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Vol 2/ P No-9/ I no- 5.4 of PWD SR 2021-22)								
Next To Raghavendra Mata								
Below Ground								
South side								
1st course	Cum	1	42.65	0.75	0.45	14.39		
2nd course	Cum	1	42.65	0.60	0.45	11.52		
3rd Course	Cum	1	42.65	0.45	0.23	4.41		
West side								
1st course	Cum	1	40.75	0.75	0.45	13.75		
2nd course	Cum	1	40.75	0.60	0.45	11.00		
North side								
1st course	Cum	1	45.50	0.75	0.60	20.48		
2nd course	Cum	1	45.50	0.60	1.20	32.76		
3rd Course	Cum	1	45.50	0.45	0.45	9.21		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
East side								
1st course	Cum	1	28.50	0.75	0.45	9.62		
2nd course	Cum	1	28.50	0.60	0.45	7.70		
Deduction								
Gate	Cum	-1	4.2	0.45	0.45	-0.85		
Total Executed Quantity						**133.99**		
Tender Quantity						**67.15**		
Quantity Upto 125%						**83.94**	**6500.00**	**545628.00**
Quantity Above 125%						**50.05**	**6180.97**	**309351.00**

Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 44 item No. 8.19.1)

PlayGround Next to Raghavendra Swammy Temple								
	Sqm	2	157.40		0.60	188.88		
Total Executed Quantity						**188.88**		
Tender Quantity						**81.12**		
Quantity Upto 125%						**101.40**	**220.00**	**22308.00**
Quantity Above 125%						**87.48**	**229.82**	**20105.00**

Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)

Next To Raghavendra Mata								
Plinth Beams								
South side	Cum	1	42.65	0.40	0.30	5.12		
West side	Cum	1	40.75	0.40	0.30	4.89		
North side	Cum	1	45.50	0.40	0.30	5.46		
East side	Cum	1	28.50	0.40	0.30	3.42		
Deduction								
Gate	Cum	-1	4.20	0.40	0.30	-0.50		
Total Executed Quantity						**18.38**		
Tender Quantity						**17.34**		
Quantity Upto 125%						**18.38**	**7000.00**	**128688.00**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.1)								
Vidyaranyapura Indoor								
Ew for Flag Foundation	Cum	1	1.50	1.50	1.05	2.36		
Concrte for Inside block work	Cum	1	1.40	1.60	0.15	0.34		
Concrte for Inside block work	Cum	1	1.10	1.10	0.15	0.18		
Bike Parking Area	Cum	1	15.00	1.50	0.15	3.38		
Bike Parking Area	Cum	1	15.00	1.40	0.15	3.15		
Bike Parking Area	Cum	1	15.00	1.50	0.15	3.38		
Bike Parking Area	Cum	1	15.00	1.60	0.15	3.60		
Bike Parking Area	Cum	1	5.00	1.80	0.15	1.35		
Ew For Ms Steps Pillers	Cum	10	0.18	0.18	0.30	0.10		
Piller side Filling Concrete	Cum	8	0.20	0.20	2.10	0.67		
For Bottom of Braking brick Portion	Cum	1	21.00	0.30	0.15	0.95		
Deduction								
Piller side Filling Concrete	Cum	-8	0.15	0.15	2.10	-0.38		
Chamber	Cum	-6	0.90	0.90	0.15	-0.73		
Total Executed Quantity						**18.34**		
Tender Quantity						**4.41**		
Quantity Upto 125%						**5.52**	**7000.00**	**38607.00**
Quantity Above 125%						**12.82**	**6790.75**	**87070.00**
Providing and fixing Structural Steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge (PWD SR 2021-22 Vol II Pg no 75 Item No 11.1)								
Present Bill Measurement	kg	From Steel calculation sheet				1325.94		
Total Executed Quantity						**1325.94**	**130.00**	**172373.00**
Tender Quantity						**3368.06**		
Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. (Made of G.I. wire of dia 4 mm) (PWD SR 2021-22 Vol II Pg no 95 Item No 11.58)								
In Ground	Sqm	1	1.50		2.10	3.15		
Total Executed Quantity						**3.15**	**1000.00**	**3150.00**
Tender Quantity						**405.60**		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. (PWD SR 2021-22 Vol -II Pg 64 item no 9.31)								
Entry For Ground	**Sqm**	1	31.60	5.70		180.12		
Total Executed Quantity						**180.12**		
Tender Quantity						**57.00**		
Quantity Upto 125%						**71.25**	**1300.00**	**92625.00**
Quantity Above 125%						**108.87**	**1255.37**	**136672.00**
Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803 (PWD SR 2021-22 Vol III Pg no 56 Item No 8.10)								
Item Not Operated								
Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. complete with all lead and lift as per the direction of Engineer-In-Charge								
Filling Available of Excavated Earth								
Earth Work Excavation Irem No 4 +56	Cum	Qty Vide from Item No. 4 + 56				1804.53		
PCC	Cum	Qty Vide from Item No. 6				-58.36		
Footing	Cum	Qty Vide from Item No. 20				-16.20		
for Football Ground	Cum	Qty Vide from Item No. 56				-1080.00		
Total Executed Quantity						**649.98**		
Tender Quantity						**259.90**		
Quantity Upto 125%						**324.87**	**250.00**	**81218.00**
Quantity Above 125%						**325.10**	**235.60**	**76594.00**
Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1A)								
Excavated Earth	Cum					1804.53		
Filling Available of Excavated Earth						-649.98		
Total Executed Quantity						**1154.56**		
Tender Quantity						**117.81**		
Quantity Upto 125%						**147.26**	**150.00**	**22090.00**
Quantity Above 125%						**1007.29**	**136.28**	**137271.00**
Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								
	t.Km		1154.56		1.28	1477.83		
Total Executed Quantity						**1477.83**		
Tender Quantity						**150.80**		
Quantity Upto 125%						**188.50**	**105.00**	**19792.00**
Quantity Above 125%						**1289.34**	**110.87**	**142948.00**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials,quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the Engineer-in- Charge.								
Item Not Operated								
Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials,quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Columns and as per directions of the Engineer-in-Charge								
Item Not Operated								
Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. (PWD SR 2021-22 Vol -I Pg 17 item no 2.5.2)								
Item Not Operated								
Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. (PWD SR 2021-22 Vol -I Pg 17 item no 2.5.2)								
Item Not Operated								
Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. (PWD SR 2021-22 Vol -I Pg 17 item no 2.5.2)								
Vidyaranyapura Indoor Stadium Pole Footing Concrete								
Skating Ground 9mtr pole	Cum	4	1.20	1.20	0.45	2.59		
Basket ball Ground 9mtr pole	Cum	3	1.20	1.20	0.45	1.94		
Tennis Ground 9mtr pole	Cum	3	1.20	1.20	0.45	1.94		
Foot ball Ground 12m pole	Cum	1	1.80	1.80	0.60	1.94		
Foot ball Ground 16mtr pole	Cum	4	1.80	1.80	0.60	7.78		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Vidyaranyapura Indoor Stadium Pole Piller Concrete Up To GL								
Skating Ground 9mtr pole	Cum	4	0.45	0.45	1.80	1.46		
Basket ball Ground 9mtr pole	Cum	3	0.45	0.45	1.80	1.09		
Tennis Ground 9mtr pole	Cum	3	0.45	0.45	1.80	1.09		
Foot ball Ground 12m pole	Cum	1	0.6	0.6	1.80	0.65		
Foot ball Ground 16mtr pole	Cum	4	0.75	0.75	1.80	4.05		
Vidyaranyapura Indoor Stadium Ground								
Columns above Ground Level								
Skating Ground 9mtr pole	Cum	4	0.45	0.45	0.30	0.24		
Basket ball Ground 9mtr pole	Cum	3	0.45	0.45	0.30	0.18		
Tennis Ground 9mtr pole	Cum	3	0.45	0.45	0.30	0.18		
Foot ball Ground 12m pole	Cum	1	0.60	0.60	0.25	0.09		
Foot ball Ground 16mtr pole	Cum	4	0.75	0.75	0.25	0.56		
First Floor								
Lintel								
Lintel Concrete for Boxing Area Wall	Cum	1	21.00	0.20	0.20	0.84		
Lintel Concrete Badminton Court Wall	Cum	1	26.00	0.20	0.20	1.04		
Lintel Concrete Badminton Court Wall	Cum	1	6.30	0.20	0.20	0.25		
Chajja Boxng Room								
W	Cum	3	1.40	0.45	0.10	0.19		
		1	2.32	0.45	0.10	0.10		
Chajja Badminton Room	Cum	2	2.00	0.45	0.10	0.18		
	Cum	1	1.50	0.45	0.10	0.07		
	Cum	1	1.50	0.45	0.10	0.07		
Total Executed Quantity						**28.54**	**7000.00**	**199804.00**
Tender Quantity						**47.97**		

Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. aand as per directions of the Engineer-in-Charge. First Floor

Item Not Operated

Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.and as per directions of the Engineer-in-Charge. First Floor

Item Not Operated

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
5	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.and as per directions of the Engineer-in-Charge. First Floor								
	Item Not Operated								
6	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). and as per directions of the Engineer-in-Charge.								
	Item Not Operated								
7	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). (PWD SR 2021-22 Vol -II Pg 84 item no 11.32)								
		Kg	From Steel Calculation Sheet				6455.24		
	Total Executed Quantity						**6455.24**	**80.00**	**516419.00**
	Tender Quantity						**12848.30**		
8	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2021-22 Vol -II Pg17 item no 6.32) Ground Floor								
	Shakara Nagar Indoor Stadium								
	wall for RMV	Sqm	2	1.50		1.30	3.90		
		Sqm	2	0.40		0.50	0.40		
	Vidyaranyapura Indoor Stadium								
	Office Room	Sqm	1	5.60		3.10	17.36		
	Flag Foundation	Sqm	2	1.75		0.20	0.70		
	Flag Foundation	Sqm	2	1.60		0.20	0.64		
	Flag Foundation	Sqm	2	1.50		0.20	0.60		
	Flag Foundation	Sqm	2	1.10		0.20	0.44		
	Flag Foundation						**24.04**		
	Total Executed Quantity						**4.74**		
	Tender Quantity						**5.93**	**1800.00**	**10665.00**
	Quantity Upto 125%						**18.12**	**1381.25**	**25021.00**
	Quantity Above 125%								
9	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2021-22 Vol -II Pg17 item no 6.32) First Floor								
	Boxing Room Short wall	Sqm	1	9.81		4.50	44.15		
	Deduction Concrete Walls	Sqm	-2	0.45		2.10	-1.89		
	lintels	Sqm	-1	10.00		0.15	-1.50		
	Windows	Sqm	-2	1.50		1.40	-4.20		
	Boxing Room Long wall	Sqm	1	10.10		4.83	48.78		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Windows	Sqm	-1	1.50		1.40	-2.10		
	Windows	Sqm	-1	2.32		1.40	-3.25		
	Wall	Sqm	1	3.20		3.00	9.60		
	Short walls	Sqm	1	9.81		2.00	19.62		
	Deductions Saftey Door	Sqm	-1	0.70		1.95	-1.37		
	Long Walls	Sqm	1	10.10		1.70	17.17		
	Badminton Court								
	Long Walls	Sqm	1	26.00		4.60	119.60		
	Deductions	Sqm	-2	2.00		1.50	-6.00		
		Sqm	-1	1.50		0.90	-1.35		
	Short walls	Sqm	2	6.30		3.48	43.85		
	Above Beam	Sqm	2	6.30		1.20	15.12		
	Deductions Beams	Sqm	-1	6.30		0.15	-0.95		
	Windows	Sqm	-1	1.50		1.50	-2.25		
	Doors	Sqm	-1	3.00		2.40	-7.20		
	Total Executed Quantity						**285.84**		
	Tender Quantity						**189.66**		
	Quantity Upto 125%						**237.08**	**1800.00**	**426738.00**
	Quantity Above 125%						**48.76**	**1395.06**	**68025.00**
0	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.(P.No.41, I.No.8.3.2 (Vol-2) of PW, P&IWTD SR 2021-22)								
	Shakara Nagar Indoor Stadium								
	Plastering for RMV Wall								
		Sqm	4	1.50		1.35	8.10		
		Sqm	2	1.50		0.22	0.66		
		Sqm	2	1.35		0.23	0.62		
							9.38	**400.00**	**3752.00**
	Total Executed Quantity						**9.68**		
	Tender Quantity								
1	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.(P.No.17, I.No.2.5.1 Volume-1, of PWD, P&IWTD SR 2021-22)								
	Shakara Nagar Indoor Stadium								
	sump coping	Cum	1	10.68	2.85	0.10	3.04		
	Deductions								
	pillers	Cum	-4	0.20	0.20	0.10	-0.02		
	MS Cover	Cum	-1	0.60	0.60	0.10	-0.04		
	Ramp Concrete	Cum	1	6.53	2.72	0.30	5.33		
	Ramp edge	Cum	1	2.80	0.20	0.15	0.08		
	Total Executed Quantity						**8.40**	**7000.00**	**58811.00**
	Tender Quantity						**8.44**		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
32	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 42 item no 8.9)								
	External Plastering								
	Boxing Room Short wall	Sqm	1	10.00		4.50	45.00		
	Windows 2no	Sqm	-1	1.40		1.42	-1.99		
	Boxing Room Long wall	Sqm	1.0	10.10		4.83	48.81		
	Windows	Sqm	-0.5	1.42		1.40	-0.99		
	Windows	Sqm	-0.5	2.32		1.40	-1.62		
	Wall	Sqm	1	3.20		3.00	9.60		
	Short walls	Sqm	1	10.00		2.00	20.00		
	Deductions Saftey Door	Sqm	-0.5	0.70		1.95	-0.68		
	Long Walls	Sqm	1	10.10		1.70	17.17		
	Badminton Court								
	Long Walls	Sqm	1	26.00		4.60	119.60		
	Deductions Windows	Sqm	-1	2.00		1.50	-3.00		
	Deductions Windows	Sqm	-0.5	1.50		0.90	-0.68		
	Short walls	Sqm	2	6.30		4.65	58.59		
	Windows	Sqm	-0.5	1.50		1.50	-1.13		
	Doors	Sqm	-0.5	3.00		2.40	-3.60		
	Total Executed Quantity						**305.08**		
	Tender Quantity						**27.65**		
	Quantity Upto 125%						**34.56**	**380.00**	**13133.00**
	Quantity Above 125%						**270.52**	**371.87**	**100601.00**
33	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of the Engineer-in-Charge.. First Floor								
	Item Not Operated								
34	Providing 12 mm cement plaster with Cement mortar 1:3 (1cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(PWD SR 2021-22 Vol -II Pg 42 item no 8.6.1)								
	Internal Plastering								
	Vidyaranyapura Indoor Stadium	Sqm	2	5.60		3.50	39.20		
	Office Room	Sqm	1	7.80		1.20	9.36		
	TT Room Beam	Sqm	1	15		0.10	1.50		
	Bike Parking Area	Sqm	1	15		0.10	1.50		
	Bike Parking Area	Sqm	1	15		0.10	1.50		
	Bike Parking Area	Sqm	1	15		0.10	1.50		
	Bike Parking Area	Sqm	1	5		0.10	0.50		
	Bike Parking Area	Sqm	-1	5.00		0.10	-0.50		
	Deduction	Sqm	1	9.81		4.5	44.15		
	Boxing Room Short wall	Sqm	-1	1.5		1.4	-2.10		
	Windows								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Boxing Room Long wall	Sqm	1	10.1		4.83	48.78		
	Windows	Sqm	-0.5	1.50		1.40	-1.05		
	Windows	Sqm	-0.5	2.32		1.40	-1.62		
	Wall	Sqm	1	3.20		3.00	9.60		
	Short walls	Sqm	1	9.81		2	19.62		
	Deductions Saftey Door	Sqm	-0.5	0.70		1.95	-0.68		
	Long Walls	Sqm	1	10.10		1.70	17.17		
	6" Toilet walls Boxing Room	Sqm	2	9.30		2.35	43.71		
	Top Wall side Boxing Room	Sqm	1	9.30		0.15	1.40		
	Passage Boxing Room Attached to Toilet	Sqm	1	7.62		2.25	17.15		
	Badminton Court								
	Long Walls	Sqm	1	26		4.6	119.60		
	Deductions Windows	Sqm	-1	2.00		1.50	-3.00		
	Deductions Windows	Sqm	-0.5	1.50		0.90	-0.68		
	Short walls	Sqm	2	6.3		5	63.00		
	Windows	Sqm	-0.5	1.50		1.50	-1.13		
	Doors	Sqm	-0.5	3.00		2.40	-3.60		
	Badminton Court Sitting Granite	Sqm	66	0.48		0.45	14.26		
		Sqm	33	0.20		0.48	3.17		
	Total Executed Quantity						**442.30**	**250.00**	**110574.00**
	Tender Quantity						**664.64**		
35	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge. (PWD SR 2021-22 Vol -II Pg 50 item no 8.51)								
	Internal Painting								
	Vidyaranyapura Indoor Stadium								
	Office Room	Sqm	2	5.6		3.5	39.20		
	Deduction Door	Sqm	-0.5	1.15		2.30	-1.32		
	Short walls	Sqm	2	3.25		3.50	22.75		
	Deduction Windows	Sqm	-5	1.50		1.50	-11.25		
	TT Room Beam	Sqm	2	7.80		0.45	7.02		
	Long Walls	Sqm	2	19.90		3.50	139.30		
	Deduction Door	Sqm	-0.5	1.15		2.30	-1.32		
	Short walls	Sqm	2	8.45		3.50	59.15		
	Deduction Windows Lw	Sqm	-2	2.40		1.50	-7.20		
	Deduction Windows Sw	Sqm	-1	2.40		1.50	-3.60		
	Ceiling	Sqm	1	19.90		8.45	168.16		
	Beams	Sqm	8	7.80		0.45	28.08		
	Column Pinji	Sqm	4	0.23		3.10	2.85		
		Sqm	4	0.42		3.10	5.21		
		Sqm	1	19.90		0.20	3.98		
		Sqm	1	19.90		0.10	1.99		
	Boxing Room Short wall	Sqm	1	9.81		4.5	44.15		
	Windows	Sqm	-1	1.5		1.4	-2.10		
	Boxing Room Long wall	Sqm	1	10.1		4.83	48.78		
	Windows	Sqm	-0.5	1.5		1.4	-1.05		
	Windows	Sqm	-0.5	2.32		1.4	-1.62		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Wall	Sqm	1	3.2		3	9.60		
	Short walls	Sqm	1	9.81		2	19.62		
	Deductions Saftey Door	Sqm	-0.5	0.7		1.95	-0.68		
	Long Walls	Sqm	1	10.1		1.7	17.17		
	Badminton Court								
	Long Walls	Sqm	1	26		4.6	119.60		
	Deductions Windows	Sqm	-1	2		1.5	-3.00		
	Deductions Windows	Sqm	-0.5	1.5		0.9	-0.68		
	Short walls	Sqm	2	6.3		5	63.00		
	Windows	Sqm	-0.5	1.5		1.5	-1.13		
	Doors	Sqm	-0.5	3		2.4	-3.60		
	Old Walls for Paints	Sqm	1	8.70		8.00	69.60		
	Top Walls as per demolitions	Sqm	1	6.05		4.50	27.23		
		Sqm	1	6.45		4.50	29.03		
		Sqm	1	8.10		4.50	36.45		
		Sqm	1	4.50		6.35	28.58		
	Ceiling	Sqm	2	6.30		0.30	3.78		
	Beams	Sqm	1	26.00		1.00	26.00		
	Top Paint Truss Work	Sqm	2	5.48		3.75	41.10		
	Passage Portions upvc Door Entrance	Sqm	2	6.35		3.75	47.63		
	Passage Portions upvc wall Door Entrance	Sqm	-0.5	2.10		2.50	-2.63		
	Deductions	Sqm	-0.5	3.00		2.35	-3.53		
	Collapsable door	Sqm	-0.5	2.40		1.50	-1.80		
	Open	Sqm	1	5.48		6.35	34.80		
	Ceilig	Sqm	2	6.35		0.30	3.81		
	Beams								
	Badminton Court Staircase								
	Ceiling	Sqm	1	6.65		3.05	20.28		
	Wall South side	Sqm	1	6.65		7.30	48.55		
	Deduction Open	Sqm	-1	1.50		2.41	-3.62		
	Waist Slab	Sqm	-1	7.15		0.20	-1.43		
	North side	Sqm	1	6.65		7.30	48.55		
	Deduction Upvc Window	Sqm	-0.5	3.00		0.90	-1.35		
	Waist Slab	Sqm	-1	7.30		0.20	-1.46		
	East and West Side	Sqm	2	7.30		3.05	44.53		
	Deduction Window	Sqm	-0.5	2.65		0.80	-1.06		
	Collapsable door	Sqm	-0.5	2.65		2.40	-3.18		
	Window	Sqm	-0.5	0.90		0.90	-0.41		
	1st Flight	Sqm	1	4.00		1.45	5.80		
	2nd Flight	Sqm	1	3.65		1.45	5.29		
	1st Landing	Sqm	1	1.50		3.05	4.58		
	2nd Landing	Sqm	1	1.85		3.05	5.64		
	Edge Flight	Sqm	1	4.00		0.20	0.80		
	Edge Flight	Sqm	1	3.65		0.20	0.73		
	Edge Flight	Sqm	1	1.46		0.20	0.29		
	Total Executed Quantity						**1273.62**		
	Tender Quantity						**664.64**		
	Quantity Upto 125%						**830.80**	**90.00**	**74772.00**
	Quantity Above 125%						**442.82**	**95.86**	**42447.00**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
36	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 48 item no 8.41)								
Office Room	Sqm	2	1.50		1.50	4.50		
TT Room	Sqm	8	2.40		1.50	28.80		
	Sqm	2	2.40		1.50	7.20		
Flag pole NB 125mm,OD 139.7mm 5.4Th @ 17.89 kg/m	Sqm	1	6.00		0.44	2.63		
Flag pole NB 90mm,OD 101.6mm 4.8Th @ 11.46 kg/m	Sqm	1	6.00		0.32	1.92		
MS STEPS FOR BOXING ROOM								
SHS 72X72X4.8mm @ 9.66kg/m	Sqm	4	4.10		0.29	4.72		
SHS 72X72X4.8mm @ 9.66kg/m	Sqm	2	3.05		0.29	1.76		
SHS 72X72X4.8mm @ 9.66kg/m	Sqm	2	2.10		0.29	1.21		
SHS 72X72X4.8mm @ 9.66kg/m	Sqm	2	1.00		0.29	0.58		
NB 50.OD 60.3 4.5Th @ 6.19 kg/m	Sqm	1	8.00		0.19	1.52		
NB 50.OD 60.3 4.5Th @ 6.19 kg/m	Sqm	1	9.00		0.19	1.71		
RHS 40X20X3mm@2.54kg/m	Sqm	3	9.00		0.12	3.24		
RHS 40X20X3mm @ 2.54kg/m	Sqm	3	8.00		0.12	2.88		
SHS 38X38X4mm @3.95kg/m	Sqm	16	0.90		0.15	2.19		
ISA 50X50X6mm @4.50 kg/m	Sqm	2	7.40		0.20	2.96		
ISA 50X50X6mm @4.50 kg/m	Sqm	2	7.20		0.20	2.88		
ISA 65X65X8mm @7.70 kg/m	Sqm	1	0.84		0.26	0.22		
Stair-Top Landing								
ISA 35X35X6mm @3.0 kg/m	Sqm	2	1.14		0.14	0.32		
ISA 35X35X6mm @3.0 kg/m	Sqm	2	1.83		0.14	0.51		
ISA 35X35X6mm @3.0 kg/m	Sqm	5	1.83		0.14	1.28		
PLATE 25X5mm Th	Sqm	94	1.14		0.025	2.68		
Stair-Steps								
No of steps		22						
ISA 30X30X5mm @1.4 kg/m	Sqm	2	0.30		0.12	1.58		
ISA 30X30X5mm @1.4 kg/m	Sqm	2	1.20		0.12	6.34		
PLATE 25X5mm Th	Sqm	8	0.29		0.025	1.28		
PLATE 25X5mm Th	Sqm	10	1.15		0.025	6.33		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Boxing Room W	Sqm	2	2.32		1.40	6.50		
	Boxing Room W	Sqm	6	1.42		1.40	11.93		
	Saftey Door	Sqm	2	1.95		0.70	2.73		
	Boxing Room truss work								
	Truss RHS 240X120X4mm @ 21.78kg/m	Sqm	3	11.20		0.72	24.19		
	Purlin SHS 132X132X6mm @ 23.01kg/m	Sqm	9	10.60		0.53	50.37		
	Gutter	Sqm	1	10.60		0.45	4.77		
	Collapsable door	Sqm	2	3.00		2.35	14.10		
	Windows	Sqm	2	1.50		1.50	4.50		
		Sqm	4	2.40		1.50	14.40		
		Sqm	4	4.45		1.50	26.70		
		Sqm	6	1.50		1.50	13.50		
	Badminton Court	Sqm	4	2.00		1.50	12.00		
	Badminton Court Windows	Sqm	2	1.50		0.90	2.70		
		Sqm	2	3.00		2.40	14.40		
	Collapsable door								
	Badminton Court	Sqm	1	26		4.6	119.60		
	Long Walls	Sqm	-1	2		1.5	-3.00		
	Deductions Windows	Sqm	-0.5	1.5		0.9	-0.68		
	Deductions Windows	Sqm	2	6.3		5	63.00		
	Short walls	Sqm	-0.5	1.5		1.5	-1.13		
	Windows	Sqm	-0.5	3		2.4	-3.60		
	Doors	Sqm	1	8.7		8	69.60		
	Old Walls for Paints	Sqm	1	6.05		4.5	27.23		
	Top Walls as per demolitions	Sqm	1	6.45		4.5	29.03		
		Sqm	1	8.1		4.5	36.45		
		Sqm	1	4.5		6.35	28.58		
	Ceiling	Sqm	2	6.3		0.3	3.78		
	Beams	Sqm	1	26		1	26.00		
	Top Paint Truss Work	Sqm	66	0.48		0.45	14.26		
	Badminton Court Sitting Granite	Sqm	33	0.20		0.45	2.97		
	Badminton room truss work								
	Truss RHS 300X200X8mm@ 59.50kg/m	Sqm	4	6.90		1.00	27.60		
	Purlin SHS 150X150X6mm @ 26.40kg/m	Sqm	6	26.60		0.60	95.76		
	For support RHS 240X120X4mm @ 21.78kg/m	Sqm	4	0.70		0.72	2.02		
	Gutter	Sqm	1	26.60		0.45	11.97		
	Outside east side wall Windows	Sqm	2	2.10		2.50	10.50		
		Sqm	6	1.50		1.50	13.50		
		Sqm	2	2.00		1.50	6.00		
		Sqm	4	1.50		1.50	9.00		
		Sqm	2	1.50		0.69	2.07		
	Collapsable door	Sqm	2	6.75		2.30	31.05		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Southside windows	Sqm	2	1.50		1.50	4.50		
	Fencing Door Ground	Sqm	2	1.50		2.10	6.30		
	Above Arch Main Entry Truss Work								
	RHS 150X100X4mm	Sqm	10	3.10		0.50	15.50		
	RHS 80X40X4mm	Sqm	3	11.80		0.24	8.50		
	Total Executed Quantity						**950.35**		
	Tender Quantity						**664.64**		
	Quantity Upto 125%						**830.80**	**120.00**	**99696.00**
	Quantity Above 125%						**119.55**	**150.14**	**17948.00**
37	Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 ltr/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 49 item no 8.29)								
	Item Not Operated								
38	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge.(PWD SR 2021-22 Vol -II Pg 59 item no 9.2)								
	Item Not Operated								
39	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : ** Flamed finish granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent (Vol 2/ P No-63/ I no - 9.23 of PWD SR 2021-22)								
	Vidyaranyapura Indoor Stadium								
	Badminton Court Sitting Granite								
		Sqm	1	21.55	0.48		10.34		
		Sqm	1	5.25	0.48		2.52		
	Flag Area Top	Sqm	1	1.55	1.53		2.37		
	Side	Sqm	1	1.80	0.25		0.45		
		Sqm	1	1.50	0.25		0.38		
	Rise	Sqm	2	1.50	0.17		0.51		
		Sqm	2	1.50	0.17		0.51		
		Sqm	2	1.80	0.19		0.68		
		Sqm	2	2.00	0.19		0.76		
	Total Executed Quantity						**18.52**	**2300.00**	**42606.00**
	Tender Quantity						**62.36**		
40	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete.(PWD SR 2021-22 Vol -II Pg 60 item no 9.12.2)								
	Vidyaranyapura Indoor Stadium								
	Boxing Area								
		Sqm	1	8.60	11.10		95.46		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Skirting	Sqm	1	1.20	3.05		3.66		
		Sqm	1	9.80	0.10		0.98		
		Sqm	1	11.10	0.10		1.11		
		Sqm	1	11.10	0.10		1.11		
		Sqm	1	1.20	0.10		0.12		
	Total Executed Quantity						**102.44**		
	Tender Quantity						**101.30**		
	Quantity Upto 125%						**102.44**	**1200.00**	**122928.00**
41	Providing Venyl flooring of approved quality and make, fixed on the top of existing flooring fixed with suitable adhesive, including cutting to the requied size and fixing etc., complete Iicluding cost of all materials, mortar, labour, curing etc., complete as per specification.(Page No. 114, Item No. - 14.72 Volume-1, PW;P&IWTD S.R 2018-19)								
	Indoor Stadium Badminton Court Vidyaranyapura	**Sqm**	1	25.14	6.30		158.38		
	Deduction	**Sqm**	-33	0.48	0.20		-3.17		
	Total Executed Quantity						**155.21**	**800.00**	**124171.00**
	Tender Quantity						**157.18**		
42	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. (PWD SR 2021-22 Vol -II Pg 105 item no 12.51)								
	Item Not Operated								
43	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, usage charges complete as per specification .(PWD SR 2021-22 Vol -II Pg 99 item no 12.11)								
	Item Not Operated								
44	Providing and fixing in position fully panelled Honne wood shutters for doors with , stiles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)(PWD SR 2021-22 Vol -II Pg 100 item no 12.17)								
	Item Not Operated								
45	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m^2 over an under coat of primer applied @0.75 ltr/10 m^2 of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.33.2)								
	Item Not Operated								
46	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.(PWD SR 2021-22 Vol -II Pg 85 item no 11.34B)								
	Vidyaranyapura Indoor Stadium	**Kg**							
	First Floor								
	First Floor Boxing Room								
	W	Sqm	3	1.50		1.40	6.30		
		Sqm	1	2.32		1.42	3.29		
	Badminton Court W		1	1.48		1.48	2.19		
		Sqm	1	1.40		0.90	1.26		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Sqm	1	1.97		1.48	2.92		
		Sqm	1	1.97		1.48	2.92		
		Kg			Sub Total		18.88		
				Consider 21Kg /SQM					
	Total Executed Quantity						**396.40**		
	Tender Quantity						**396.40**		
	Quantity Upto 125%						**226.80**		
	Quantity Above 125%						**283.50**	**160.00**	**45360.00**
47	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). (PWD SR 2021-22 Vol -II Pg 112 item no 12.9)						**112.90**	**181.32**	**20470.00**
	Vidyaranyapura Indoor Stadium								
	First Floor Boxing Room								
	W	Sqm	3	1.48		1.40	6.22		
		Sqm	1	2.32		1.42	3.29		
	Badminton Court W	Sqm	1	2.10		2.50	5.25		
	Door	Sqm	1	3.00		2.40	7.20		
		Sqm	2	2.00		1.50	6.00		
		Sqm	1	1.46		0.90	1.31		
		Sqm	1	1.50		1.50	2.25		
	Total Executed Quantity						**31.52**		
	Tender Quantity						**10.80**		
	Quantity Upto 125%						**13.50**	**8000.00**	**108000.00**
	Quantity Above 125%						**18.02**	**8361.40**	**150709.00**
48	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 47 item no 8.33.3)								
	Item Not Operated								
49	Providing Venyl flooring of approved quality and make, fixed on the top of existing flooring fixed with suitable adhesive, including cutting to the requied size and fixing etc., complete Iicluding cost of all materials, mortar, labour, curing etc., complete as per specification.(Page No. 114, Item No. - 14.72 Volume-1, PW;P&IWTD S.R 2018-19)								
	Shakara Nagar Indoor Stadium								
	Gym Room	Sqm	1	20.35	13.40		272.69		
	Deduction	Sqm	-2.0	0.65	0.45		-0.59		
		Sqm	-3.0	0.68	0.20		-0.41		
	Total Executed Quantity						**271.70**	**800.00**	**217358.00**
	Tender Quantity						**271.76**		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
50	Providing and fixing Acoustic Veneer paneling, over the 50mm x 35mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the wall filled with 50mm thick 32kg density glass wool and top covered out of 4mm thick approved quality Veneer, fixed over 19mm thick ply strips of 100mm to 200mm with a gap of 6mm to 10mm in between strips of approved brand, termite and water resistant, finished with melamine polish, complete including cost and conveyance of all materials, labour for all items of work, HOM complete as per specification (Pno.324, lINo.39.2 PWP&IWTD SR 2018-19)								
	Shakara Nagar Indoor Stadium								
	Yoga Room stage								
		Sqm	1	4.62		2.13	9.84		
	Total Executed Quantity						**9.84**	**7000.00**	**68884.00**
	Tender Quantity						**9.84**		
51	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (PWD SR 2021-22 Vol -II Pg 83 item no 11.28)								
	Shakara Nagar Indoor Stadium								
	Skating Portioon								
	from Gate side Pillers	Sqm	1	2.65		0.97	2.57		
		Sqm	1	9.25		1.00	9.25		
		Sqm	1	9.48		1.00	9.48		
		Sqm	1	5.86		1.00	5.86		
						Total	**27.16**		
		Kg	**Assume 12 kg per sqm**				325.93		
	Total Executed Quantity						**325.93**	**600.00**	**195556.00**
	Tender Quantity						**327.00**		
52	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (PWD SR 2021-22 Vol -II Pg 83 item no 11.28)								
	Item Not Operated								
53	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 133 item no 15.1)								
	Boxing Room								
	Passage Entry	Sqm	1	7.10	3.20		22.72		
	Toilet Opposite	Sqm	1	7.90	1.05		8.30		

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Door Opposite	Sqm	1	1.50	2.20		3.30		
	Badminton Court								
	Infront of C.Gate	Sqm	1	6.35	5.50		34.93		
	Door Offset	Sqm	1	1.49	0.25		0.37		
	Top Sheet Wall	Sqm	1	26.00	0.15		3.90		
	Total Executed Quantity						**73.51**	**800.00**	**58810.00**
	Tender Quantity						**258.47**		
4	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (PWD SR 2021-22 Vol -II Pg 81 item no 11.16.3)								
	Present Bill Measurement								
		kg	From Steel calculation sheet				9965.15		
	Total Executed Quantity						**9965.15**		
	Tender Quantity						**2040.82**		
	Quantity Upto 125%						**2551.03**	**120.00**	**306123.00**
	Quantity Above 125%						**7414.12**	**127.04**	**941874.00**
5	Providing and laying water proofing treatment to the Retaining wall area with PU Elastomeric Single component liquid applied, cold applied, moisture cured high tensile elastomeric PU waterproofing membrane having elongation of more than 400% and having solid content of above 90% @ 1.6kg per m2 in 2 coats to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g/ m2. The cost is inclusive of surface preparation, crack filling, repair of loose mortar etc. completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (Vol - II P No-134 I no-15.4 of PWD SR 2021-22)								
	Vidyaranyapura Basketball Court								
	Basketball Court	Sqm	1	15.00	27.00		**405.00**		
	Total Executed Quantity						**405.00**	**700.00**	**283500.00**
	Tender Quantity						**725.04**		
6	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. (Vol - I P No-10 I no- 1.17.1 of PWD SR 2021-22)								
	Vidyaranyapura Indoor Stadium								
	Skating Area Entry Light to Ground side pole	Cum	2	17	0.60	0.75	15.30		
	Pole to Pnnel Board	Cum	1	13	0.60	0.75	5.85		
	Pole to Inside Skating Area	Cum	1	25	0.60	0.75	11.25		
	Basket Ball								
	Pnael board to Last pole	Cum	2	37.5	0.60	0.75	33.75		
	Pnael board to First Pole inside court	Cum	1	20	0.60	0.75	9.00		
	Tennis Court								
	Panel Board To pole	Cum	1	41	0.60	0.75	18.45		
		Cum	1	61	0.60	0.75	27.45		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	12mtr pole	Cum	1	51	0.60	0.75	22.95		
	12mtr pole	Cum	1	35	0.60	0.75	15.75		
	12mtr pole 75mm sq wire	Cum	1	75	0.60	0.75	33.75		
	12mtr pole 75mm sq wire	Cum	1	68	0.60	0.75	30.60		
	16Mtr Pole Panal Board to Gallery Pole	Cum	1	55	0.60	0.75	24.75		
	Galeery First Pole to 2nd	Cum	1	50	0.60	0.75	22.50		
	Galeery 3rd Pole to Pannel	Cum	1	72	0.60	0.75	32.40		
	Galeery 4th Pole to Pannel	Cum	1	200	0.60	0.75	90.00		
	Vidyaranyapura Football Ground	Cum	1	90	40	0.3	1080.00		
	Total Executed Quantity						**1473.75**		
	Tender Quantity						**255.60**		
	Quantity Upto 125%						**319.50**	**210.00**	**67095.00**
	Quantity Above 125%						**1154.25**	**224.05**	**258608.00**
57	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25 mm dia 2 mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary (Page No. 1, Sl No. 1.2.2 of ELE S.R 2021-22).								
	Shakara Nagar Indoor Stadium								
	Outside Light Purpose North to south side	Mtr	1	20.30			20.30		
	Down to light connection	Mtr	3	1.80			5.40		
	From Yoga Room to Light	Mtr	2	4.70			9.40		
	From South to North	Mtr	1	29.30			29.30		
	Down to light connection	Mtr	5	1.40			7.00		
	For Light Connction	Mtr	2	1.80			3.60		
	Total Executed Quantity						**75.00**		
	Tender Quantity						**70.35**		
	Quantity Upto 125%						**75.00**	**70.00**	**5250.00**
58	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5Sqmm. (Page No. 3, Sl No. 2.3.2 of ELE S.R 2021-22).								
	Shakara Nagar Indoor Stadium								
	Outside Light Purpose North to south side	Mtr	1	8.30			8.30		
	From Yoga Room to Light	Mtr	2	4.70			9.40		
	From South to North	Mtr	1	29.30			29.30		
	For Light Connction	Mtr	2	1.80			3.60		
	Total Executed Quantity						**50.60**	**60.00**	**3036.00**
	Tender Quantity						**59.15**		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS, UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing / Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/. (Page No. 37, Sl No. 11.9.5 of ELE S.R 2021-22).								
Shakara Nagar Indoor Stadium								
Outside Light Purpose North to south side	Each	4				4.00		
From South to North	Each	4				4.00		
Total Executed Quantity						**8.00**	**22000.00**	**176000.00**
Tender Quantity						**8.00**		
Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS, UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing / Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/.(Page No. 37, Sl No. 11.9.3 of ELE S.R 2021-22).								
outside pole	Each	5				5.00		
Total Executed Quantity						**5.00**	**12000.00**	**60000.00**
Tender Quantity						**5.00**		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
61	Fabrication, Supplying, Erection, Testing and Commissioning of ..... ms long Polygon high mast with Single/Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grades 355 JO/ASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/s as per IS 875 part 3(as per GA Drawing). Base plate as per IS 2062/ASTM A572-50. The mast shall be Galvanized in single Hot-dip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint The mast shall have 2 Way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5 mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5 mm2 EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement The mast shall have manual/power tool (Suitable reversible geared motor operating on 230/415V, 50Hz, shall be provide above 15 Mtr mast) The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3 mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin l A fitting with wiring complete. (excluding foundation) as per technical data.12 m/12.5 m - Top 100 mm and Bottom 310 mm dia (PWD SR 2022-23 Vol VI Pg no 8 Item No 4.5.1)								
	Vidyaranyapura Basketball Court								
	For Basket Ball Court	Each	6				6.00		
	For Tennis Court	Each	6				6.00		
	For skating	Each	4				4.00		
	For Football 12mtr 1 pole,16mtr 4 pole	Each	5				5.00		
	Total Executed Quantity						**21.00**	**110000.00**	**2310000.00**
	Tender Quantity						**36.00**		
62	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Floodlight 240W (PWD SR 2022-23 Vol VI Pg no 37 Item No 11.9.7)								
	Vidyaranyapura Basketball Court								
	For Basket Ball Court 4 Light for 1 pole of 9mtr pole	Each	6	3			18.00		
	For Tennis Court	Each	6	3			18.00		
	For skating	Each	4	3			12.00		
	For Football Ground 12 light for one pole of 12 and 16 mtr pole	Each	5	12			60.00		
	Total Executed Quantity						**108.00**		
	Tender Quantity						**72.00**		
	Quantity Upto 125%						**90.00**	**21000.00**	**1890000.00**
	Quantity Above 125%						**18.00**	**20993.80**	**377888.00**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Supplying of 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 25 Sqmm, 3.5 Core, (12 GI Strips - 4 x 0.8 mm)								
Vidyaranyapura Ground Cable Laying								
Skating Area Entry Light to Ground side pole	Mtr	2	17			34.00		
Pole to Pnnel Board	Mtr	1	13			13.00		
Pole to Inside Skating Area	Mtr	1	25			25.00		
Basket Ball								
Pnael board to Last pole	Mtr	2	37.5			75.00		
Pnael board to First Pole inside court		1	20			20.00		
Tennis Court								
Panel Board To pole	Mtr	1	41			41.00		
	Mtr	1	61			61.00		
12mtr pole	Mtr	1	51			51.00		
12mtr pole	Mtr	1	35			35.00		
12mtr pole 75mm sq wire	Mtr	1	75			75.00		
12mtr pole 75mm sq wire	Mtr	1	68			68.00		
16Mtr Pole Panal Board to Gallery Pole	Mtr	1	55			55.00		
Galeery First Pole to 2nd	Mtr	1	50			50.00		
Galeery 3rd Pole to Pannel	Mtr	1	72			72.00		
Galeery 4th Pole to Pannel	Mtr	1	200			200.00		
				Sub total		875.00		
	KM					0.875		
Total Executed Quantity						**0.875**	**250000.00**	**218750.00**
Tender Quantity						**1.00**		
Compact RMU (VCB/SF6 Type) with Copper Busbar, 350 MVA, 630 Amps as per IEC62271/IS-3427 4 Way RMU, 2 OD + 2 VL (One Incomer + Two Breakers + One Outgoing) .(Page No. 11, Sl No. 39.02 of ELE BescomS.R 2021-22).								
Shakara Nagar Indoor Stadium								
outside pole	Each	1				1.00		
Total Executed Quantity						**1.00**	**800000.00**	**800000.00**
Tender Quantity						**1.00**		
11 kV, 3 Core, XPLE HTUG Cable with pressure extruded inner sheeth, ROUND WIRE ARMOURED as per IS-7098 (Part-2) Armouring wires dia and Resistivity as per IS-3975 95 Sqmm, (54 GI Wires - 2.5 mm Dia).(Page No. 10, Sl No. 268 of ELE C S.R 2021-22).								
Shakara Nagar Indoor Stadium								
Rmv Connection	**Mtr**	1	35.00			35.00		
				Sub total		35.00		
	KM					0.035		
Total Executed Quantity						**0.035**	**1200000.00**	**42000.00**
Tender Quantity						**0.040**		
60W highbay LED linear type light fixture make-crompton ,model -LHBL60CDL (Data Rate to be Approved)								
Vidyaranyapura Indoor Stadium								
badminton Court	Each	78				78.00		
Total Executed Quantity						**78.00**		
Tender Quantity						**80.00**		
Now to be paid Quantity						**78.00**	**8000.00**	**624000.00**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
ive Bench-Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with lain design with 100mm slabs height 90x Length 1500 width 45cms (1.50*0.45*0.90m) (Including lead and arges) (inclusive of all taxes) As per the directon of Engineer Incharge. (Data approved rate)								
Item Not Operated								
ing and Fixing Volleyball and Throw Ball Court Poles. The Rates including cost of all materials, labour, g joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, mplete as per direction of Engineer in charge (Market rate to be approved) .								
Item Not Operated								
ng and Fixing Volleyball Net The Rates including cost of all materials, labour, packing joints and mortar, g curing all lead and lift, transportation and also including all applicable taxes, etc., complete as per n of Engineer in charge (Market rate to be approved) .								
Item Not Operated								
ng and Fixing Throw Ball Net.The Rates including cost of all materials, labour, packing joints and mortar, g curing all lead and lift, transportation and also including all applicable taxes, etc., complete as per n of Engineer in charge (Market rate to be approved) .								
Item Not Operated								
ıg and Fixing Kho-Kho Wooden Pole. The Rates including cost of all materials, labour, packing joints and finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete as per ı of Engineer in charge (Market rate to be approved) .								
Item Not Operated								
ınd Installation of Table Tennis Tables of Approved Brands like Stiga, Stag, Butterfly, Yasaka, Cornilleau pproved brand as per directions of the Engineer incharge. The Rates including cost of all materials, labour, joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, ıplete as per direction of Engineer in charge (Market rate to be approved) .								
ıyapura Indoor Stadium	Nos	5				5.00		
ecuted Quantity						**5.00**		
Quantity						**15.00**		
ɔe paid Quantity						**5.00**	**100000.00**	**500000.00**
g and constructing standard Rubber Flooring for indoor area using Rubber membrain of 12mm to 16mm ɔe layed over Prepared Cement Morter / concrete Surface using CM 1:6 beneath rubber membrain cost o all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and ıding all applicable taxes, etc., complete as per direction of Engineer in charge of the work (Market rate to ved)								
Nagar Indoor Stadium								
Floor								
m	Sqm	1	11.52	6.47		74.53		
om	Sqm	1	9.70	13.34		129.40		
vapura Indoor Stadium								
n Court	Sqm	1	38.90	30.90		1202.01		
vapura Indoor Stadium								
	Sqm	1	5.85	7.80		45.63		
cuted Quantity						**1451.57**		
uantity						**1409.83**		
Upto 125%						**1451.57**	**5500.00**	**7983648.00**
and Installing Rubber Column Safety Guard made of 50mm Leather with Soft Foam Rubber Cushioning ı 12mm waterproof plywood including cost of all materials, labour, packing joints and mortar, finishing lead and lift, transportation and also including all applicable taxes, etc., complete as per direction of n charge (Market rate to be approved)								
	Sqm	1	1.03		1.03	1.06		
	Sqm	1	1.83		1.03	1.88		
	Sqm	1	1.90		1.02	1.94		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Column 4	Sqm	1	0.95		1.05	1.00		
	Column 5	Sqm	1	1.30		1.05	1.37		
	Column 6	Sqm	1	2.47		1.05	2.59		
	Column 7	Sqm	1	2.49		1.00	2.49		
	Column 8	Sqm	1	1.50		1.05	1.58		
	Column 9	Sqm	1	1.52		1.05	1.60		
	Column 10	Sqm	1	2.48		1.05	2.60		
	Column 11	Sqm	1	2.48		1.05	2.60		
	Column 12	Sqm	1	1.05		1.05	1.10		
	Total Executed Quantity						**21.81**	**7000.00**	**152679.00**
	Tender Quantity						**22.06**		
75	Providing Aluminium name Board with using MS pipe for board safety and also LED Lighting with 3D Sign Letters, including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete as per direction of Engineer in charge (Market rate to be approved)								
	Shakara Nagar Indoor Stadium								
	Top Led Name board	Sqm	1	4.88		1.20	5.85		
	Total Executed Quantity						**5.85**	**20000.00**	**117073.00**
	Tender Quantity						**5.85**		
76	Providing Aluminium name Board with 3D Sign Letters, including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete as per direction of Engineer in charge (Market rate to be approved)								
	Shakara Nagar Indoor Stadium								
	3d cutting name board								
		Sqm	1	3.66		1.20	4.39		
	Total Executed Quantity						**4.39**	**11000.00**	**48293.00**
	Tender Quantity						**4.39**		
77	Supply and Installation of approved Wooden Floor for Indoor Hall - Maple Flooring with PU Scaler and coat polish 20mm,thickness 60mm width 2000mm, third &better grade treated sleepers of size 30*60mm to be installed 30cm center to center 20mmm professional EPDM rubber pad inclusive of HOM, labour etc. asper the directions of Engineer in charge (Data Rate)								
	Vidyaranyapura Indoor Stadium								
	Wooden Court	Sqm	1	30.90	7.50		231.75		
	Deductions	Sqm	-4	0.48	0.20		-0.38		
	Total Executed Quantity						**231.37**	**16500.00**	**3817539.00**
	Tender Quantity						**231.75**		
E1	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge(PWD SR 2021-22 Vol -II Pg 48 item no 8.39)								
	Internal Painting								
	Vidyaranyapura Indoor Stadium								
	Office Room	Sqm	2	5.6		3.5	39.20		
	Deduction Door	Sqm	-0.5	1.15		2.3	-1.32		
	Short walls	Sqm	2	3.25		3.5	22.75		
	Deduction Windows	Sqm	-5	1.5		1.5	-11.25		
	TT Room Beam	Sqm	2	7.8		0.45	7.02		
	Long Walls	Sqm	2	19.9		3.5	139.30		
	Deduction Door	Sqm	-0.5	1.15		2.3	-1.32		
	Short walls	Sqm	2	8.45		3.5	59.15		
	Deduction Windows Lw	Sqm	-2	2.4		1.5	-7.20		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Deduction Windows Sw	Sqm	-1	2.4		1.5	-3.60		
Ceiling	Sqm	1	19.9		8.45	168.16		
Beams	Sqm	8	7.8		0.45	28.08		
Column Pinji	Sqm	4	0.23		3.1	2.85		
	Sqm	4	0.42		3.1	5.21		
	Sqm	1	19.9		0.2	3.98		
	Sqm	1	19.9		0.1	1.99		
Boxing Room Short wall	Sqm	1	9.81		4.5	44.15		
Windows	Sqm	-1	1.5		1.4	-2.10		
Boxing Room Long wall	Sqm	1	10.1		4.83	48.78		
Windows	Sqm	-0.5	1.5		1.4	-1.05		
Windows	Sqm	-0.5	2.32		1.4	-1.62		
Wall	Sqm	1	3.2		3	9.60		
Short walls	Sqm	1	9.81		2	19.62		
Deductions Saftey Door	Sqm	-0.5	0.7		1.95	-0.68		
Long Walls	Sqm	1	10.1		1.7	17.17		
Old Walls for Paints								
Ceiling	Sqm	1	6.75		3.3	22.28		
Beams	Sqm	2	0.3		3.3	1.98		
Entry door LW Left side	Sqm	1	16.8		3	50.40		
Deductions doors	Sqm	-0.5	1		2.3	-1.15		
Ceiling	Sqm	1	5.1		10.1	51.51		
Beams	Sqm	2	5.1		0.3	3.06		
Beams	Sqm	2	10.1		0.9	18.18		
Ceiling	Sqm	1	7.9		1.5	11.85		
Wall	Sqm	2	7.9		1	15.80		
	Sqm	2	8.3		1	16.60		
Columns	Sqm	2	0.45		3	2.70		
	Sqm	2	0.3		3	1.80		
Infront of toilet walls	Sqm	1	11.15		3.00	33.45		
Deductions	Sqm	-1	0.90		2.10	-0.95		
Toilet entry	Sqm	1	8.55		3.00	25.65		
Entry Wall	Sqm	1	3.20		3.00	9.60		
Deductions Windows	Sqm	-0.5	1.20		1.40	-0.84		
Doors	Sqm	-0.5	1.00		2.30	-1.15		
Badminton Court								
Passage Portions upvc Door Entrance	Sqm	2	5.48		3.75	41.10		
Passage Portions upvc wall Door Entrance	Sqm	2	6.35		3.75	47.63		
Deductions	Sqm	-0.5	2.1		2.5	-2.63		
Collapsable door	Sqm	-0.5	3		2.35	-3.53		
Open	Sqm	-0.5	2.4		1.5	-1.80		
Ceilig	Sqm	1	5.48		6.35	34.80		
Beams	Sqm	2	6.35		0.3	3.81		
Badminton Court Staircase								
Ceiling	Sqm	1	6.65		3.05	20.28		
Wall South side	Sqm	1	6.65		7.3	48.55		
Deduction Open	Sqm	-1	1.5		2.41	-3.62		
Waist Slab	Sqm	-1	7.15		0.2	-1.43		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	North side	Sqm	1	6.65		7.3	48.55		
	Deduction Upvc Window	Sqm	-0.5	3		0.9	-1.35		
	Waist Slab	Sqm	-1	7.3		0.2	-1.46		
	East and West Side	Sqm	2	7.3		3.05	44.53		
	Deduction Window	Sqm	-0.5	2.65		0.8	-1.06		
	Collapsable door	Sqm	-0.5	2.65		2.4	-3.18		
	Window	Sqm	-0.5	0.9		0.9	-0.41		
	1st Flight	Sqm	1	4		1.45	5.80		
	2nd Flight	Sqm	1	3.65		1.45	5.29		
	1st Landing	Sqm	1	1.5		3.05	4.58		
	2nd Landing	Sqm	1	1.85		3.05	5.64		
	Edge Flight	Sqm	1	4		0.2	0.80		
	Edge Flight	Sqm	1	3.65		0.2	0.73		
	Edge Flight	Sqm	1	1.46		0.2	0.29		
	Now to be paid Quantity						**1139.54**	**109.71**	**125024.00**
E2	Finishing walls with Acrylic Smooth exterior paint of required shade:New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.3)								
	External Painting								
	Boxing Room Short wall West Side	Sqm	1	10.60		8.50	90.10		
	South side walls	Sqm	1	13.10		8.50	111.35		
	Deduction collapsable gate	Sqm	-1	3.00		2.35	-7.05		
	Chajja	Sqm	2.0	3.45		1.00	6.90		
	Chajja	Sqm	1.0	3.45		0.10	0.35		
	Chajja	Sqm	1.0	1.00		0.10	0.10		
	Windows	Sqm	-1	1.50		1.50	-2.25		
	Chajja	Sqm	4	2.70		0.45	4.86		
	Chajja	Sqm	4.0	0.45		0.10	0.18		
	Chajja	Sqm	2	1.50		0.10	0.30		
	Windows	Sqm	-1	2.40		1.50	-3.60		
	Windows	Sqm	-0.5	4.45		1.50	-3.34		
	Chajja	Sqm	2	5.30		1.00	10.60		
	Chajja	Sqm	1	5.30		0.10	0.53		
	Chajja	Sqm	2	1.00		0.10	0.20		
	Windows	Sqm	-0.5	1.50		1.50	-1.13		
	Chajja	Sqm	2	1.50		0.45	1.35		
	Chajja	Sqm	1	1.50		0.10	0.15		
	Chajja	Sqm	2	0.75		0.10	0.15		
	Outside Paint Entry For Badminton court								
	Walls	Sqm	1	3.30		8.50	28.05		
	Deduction collapsable gate	Sqm	-0.5	2.50		2.45	-3.06		
	Northside Wall	Sqm	1	7.15		8.50	60.78		
		Sqm	-0.5	2.10		0.90	-0.95		
	East Side Wall	Sqm	1	34.70		8.50	294.95		
	Deductuons W	Sqm	-0.5	1.20		1.40	-0.84		
	Deductuons W	Sqm	-2.5	2.00		1.50	-7.50		
	Deductuons W UPVC	Sqm	-0.5	2.10		2.50	-2.63		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	C.Gate	Sqm	-0.5	6.75		2.30	-7.76		
	Chajja add	Sqm	2	1.60		0.45	1.44		
		Sqm	8	2.00		0.45	7.20		
	Chajja Side	Sqm	2	0.45		0.10	0.09		
		Sqm	8	0.45		0.10	0.36		
	Arch Portions	Sqm	2	11.85		1.20	28.44		
		Sqm	1	11.85		0.20	2.37		
	South side walls	Sqm	1	7.10		8.50	60.35		
		Sqm	-1	1.50		1.50	-2.25		
	Now to be paid Quantity						**668.79**	**157.07**	**105044.00**
E3	Providing and fixing PUF Pannel with precoated galvanised iron profile sheets on the top surface and a ribbed liner tray on the underside and a sandwiched insulation cover. The Profile is as follows- Inner skin: Ribbed liner, aluminium foil/craft paper Outer skin: 35x250mm trapezoidal profile with 2 secondary ribs and anti-capillary flute. The panel thickness of 50 mm. Surface finish: Metallic, solid colours, Polyvinylidene fluoride (PVDF) & super polyster coatings. The Specifications of precoated galvanised iron profile sheets is as follows (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet hould have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The Rate Includes Transportation, Fixing inclusive of All Hardware and Labour Charges and as per Directions of the Engineer incharge. (Data Rates)								
	Vidyaranyapura Indoor Stadium								
	Boxing Area	Sqm	1	11.2	10.6		118.72		
	Badminton Court	Sqm	1	26.6	6.9		183.54		
	Now to be paid Quantity						**302.26**	**3730.67**	**1127633.00**
E4	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :Gutter (600 mm over all girth) (PWD SR 2021-22 Vol -II Pg 27 item no 7.39.6)								
	Vidyaranyapura Indoor Stadium								
	Gutter for Rain Water								
	Boxing Room	Rmt	1	10.60			10.60		
	Badminton court	Rmt	1	26.60			26.60		
	Now to be paid Quantity						**37.20**	**987.43**	**36732.00**
E5	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 27 .Item No 13.48)								
	Vidyaranyapura Indoor Stadium								
	Rain Water pipes								
	Front Side	Rmt	2	9.10			18.20		
	Front Side	Rmt	2	10.40			20.80		
	Footbal Ground Side	Rmt	2	8.80			17.60		
	Now to be paid Quantity						**56.60**	**292.19**	**16538.00**
E6	Providing and fixing Net pole Total Weight 200 KG Material used; Carborudum,Poles gauge:14,Top Wheel type,PaintType: Epoxy Painting,Movable Type: Portable on wheels .Height ; 5.1ft. Tapered box with Yonex Standred Net as Per Specification etc., complete including transportation installation at site.(Data rate)								
	Vidyaranyapura Indoor Stadium								
		Each	4				4.00		
	Now to be paid Quantity						**4.00**	**33596.80**	**134387.00**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
								Total of Other Items including GST Unit Rate	14505252.00
								Total of PWD SR 2021-22 Items	13729439.00
								Sub Total	28234691.00
								GST Charges (18% of estimated cost)	2471299.00
								Grand Total	30705990.00

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Asst. Executive Engineer
Projects Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
BBMP

Executive Engineer
Projects Division
Yelahanka Zone
BBMP, Bangalore-92

'Technical Sanction
Accorded For Rs 30705990 '-
Head of A/C 3812
CER NO :37 ... Dt 15/12/23